

WHAT IS CLAIMED IS

[1] An electrically-assisted cycle having a physical strength promoting function, comprising a transmitting device (M) which connects a crankshaft (17) having pedals (16) driven by a rider and a rear wheel (10r) to each other, a battery (90), an electric generator/motor (61) having a rotor shaft (61a) connected to the transmitting device (M), a mode switchover means (91, 92, 99) capable of being switched over, as described, between an electrically assisting mode in which a power is generated in the electric generator/motor (61) by supplying of an electric power from the battery (90) and a charging mode in which the electric power generated in the electric generator/motor (61) due to a back load to the rotor shaft (61a) is charged in the battery (90), and a clutch (46) capable of opening and closing a transmitting path between the electric generator/motor (61) and the rear wheel (10r) as desired.

[2] An electrically-assisted cycle having a physical strength promoting function according to claim 1, further including a pedal load adjusting means (93) capable of adjusting a pedal load provided by the rider by increasing or decreasing the amount of power charged in the battery (90) from the electric generator/motor (61), when the mode switchover means (91, 92, 99) is switched over to the charging mode.

[3] An electrically-assisted cycle having a physical strength promoting function according to claim 1 or 2, wherein a vehicle body shell (105) is mounted to a vehicle body

frame (F) to define a cabin (106) for accommodation of the rider.